

Headquarters U.S. Air Force

Integrity - Service - Excellence

Technology Transfer Workshop



U.S. AIR FORCE

**Col Ron Coke
AFCEE/ER**

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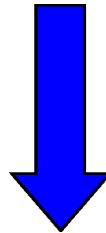
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**Maj Jeff Cornell
AFCEE/ERT**



The Perchlorate Contamination Challenge

Credible Science



Credible Decisions

- Accurate risk characterization
- Appropriate management strategies



Can we control it?





The “technology program”: still needed?

- **Legacy of the “Rush to LRIP”**
 - **Optimization of in-place treatment systems**
 - **Need workable site exit strategy**
 - **What data is necessary to turn off a technology?**
 - **New contaminants (perchlorate, energetics, MTBE)**
 - **Source removal of fuels, solvents**
 - **What’s the driver? Risk? Cost? NRDA????**
 - **Huge uncertainties in estimates of contaminant amounts and location.....**
 - **What does “heroic” source removal really accomplish?**
 - **And just over the horizon.....**
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Range Technology Needs



UXOs

The image features a large iceberg floating in a blue sea. The tip of the iceberg, which is above the water line, is labeled 'UXOs'. The much larger part of the iceberg is submerged and contains a list of eight range technology needs. To the right of the iceberg, a grey silhouette of a ship is shown on the water's surface, labeled 'Range Sustainability'.

Range Sustainability

- Encroachment
- Chemical Residue Contamination
- Range Maintenance
- Noise
- Natural/Cultural Resources
- Range Inventory Studies
- EBS
- Air Emissions



USAF Technology Strategy

- **Optimization**

- In-place treatment systems
- Long term stewardship systems (e.g. LTO/M, etc.)

- **Leverage Resources -**

- From Fed and State Govt, Industry, Academia
- Replace technology development with technology surveillance and deployment

- **Credibility**

- **Recognition**

- Opportunities
- Pitfalls



Workshop Overview

■ **OBJECTIVES**

- Recognize opportunities and pitfalls
- Assist in bringing resources to your program
- Status of key technology issues
- *OBTAIN FEEDBACK*
 - Survey forms
 - “Sidebar” meetings

■ **FORMAT**

- **Day 1: “Big Picture” - leading to day 2 and 3 breakouts**
- **Day 2 and 3: More in-depth treatment**



Logistics

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- **MESSAGES**
 - **EMERGENCY**
 - **GENERAL INFO**
 - **meeting room**
 - **meals / icebreaker**
 - **tourist activities**
 - **On-site support (ER staff, Mitretek, Kevric)**
 - **Course CD Contents**

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QUESTIONS?



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Have a great workshop!